I st and Final Bill

Work Code. 005-19-000036

M. A. R. 57 (Rule 116)

Measurement Book

No. B Est Cost Rs. 30.00 Lacs

Serial No. Drilling & Boreweels Providing Pump Motor 353431

Name of Work Laying Pipeline from at Kattigenahally Surrounding

Name of Contractor of nature of Agency Area in Ward No. 05 Byatarayanapura

Date of commencement of work Sub division.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Contractor. Sri. G. V. Surendra Kollappalli Palya Post Bagepalli (T) Chikkaballapura. 563124						
	Work order No.. BBMP/EE/BTP/WO/49/2019.20.						
(1)	Geophysical Investigation & Site for Sinking Boreweels for supplying drinking water to the Residence inner						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to las Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	through the hand pump MWS or PWSS by vertic electrical sounding by adopting verner or seconda method including reconnaissance survey & geolog formation geological investigation & existing bore water in vicinity its quality quantity as accepta & the users indicating the location & site recommende depth & casing pipe required to seal the top unconsoli formation including an extra depth & 1-0 mtr in consolidated formation for proper sealing of casin pipe depth & drilling required to cover fulle & earlier proposed to be treated Progress yield/d information required including transportation &

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353432

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and accessories to work site engaging technical Personnel and casom deemed etc..						
	Page. 1938 :- US					4 Nos	7753:84
(2)	Sinking & boreholes of 165 mm dia clear using Reverse flash hydraulic rig of capacity 250 PSI & above in all strata including over burdens upto 20 Mtr. fixing & casing Pipes Screens and cap. with necessary Cussing Reaming and welding including transportation of rig and Equip						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Vertical Cross channels and cuts of Consumables etc complete including fixed tressing of the serial door with minimum Welding & Compressor for one hour. Cost of Casing Pipes Covers Cap etc.:					0.00 to 50.00 Mm	
						200.00 Mm	
							63036:00
	Rate. 315:18						
(3)	50 to 100 Mm						
	Rate. 412:00						
(4)	100 to 100 Mm					200.00 Mm	
							82400:00
	Rate. 458:35					200.00 Mm	
						:	21670:00

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Measurement Book

No. B

353433

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(5)	150 to 200 MW Rate. 484 : 10					200.00 MW	96820 : 00
(6)	200 to 250 MW Rate. 560 : 32					200.00 MW	112064 : 00
(7)	250 to 300 MW Rate. 600 : 00					200.00 MW	120000 : 00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(8)	300 to 370 MM					277.00 MM	
	Rate · 610 ± D						168970.00
(9)	Supplying & ISI Mark black ERW casing Pipe 175 mm Nominal bore medium classbance continuous welded middle steel large grain hot rolled steel steel strips in standard length & 4 to 7 MM screw ends threading conforming to IS 554/1985 one end including collarings						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 353434

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						240.00 Mtr	
	Rate. 1300 :00						312000 :00
(10)	Providing and fixing 200 mm dia PVC pipe and as per Specification and direction.						
	Rate. 1133 :00					4 Nos	4532 :00
(11)	175 mm dia MS Casing Cap.					4 Nos	412 :00
	Rate. 103 :00						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(12) M.S Casing Pipe Coloums & clamps.					36 Nos	SSR 2:6
	Page: 154:57						
	(13) Providing supplying and maintaining temporary earthen bund around the excavated portion for laying pipe line including dewatering (Pumping) Complete as per direction of Engineer in charge.						

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No. B

353435

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ordinarily finished WBM all round Colour enamelled with paint ebn Complete base & 21600 Sqms.						
						88000.00 Sqms	
	Base. 0:34					29920:00	
(1W)	Labour Charges for erection of new/ Repaired Submersible Pumpsets along with GI Pipes (32/50 mm) Cable (new Submersible Pumpsets if reamined where supplied by the Department free of Cost and released Pumpsets shall be handed						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	over to departments) including transportation (Thickness = 6.00 mm)						
	Rate. 90:64					180 Nos	
							1631.5:20
(15)	Erection of Combined Panel board meter board with all necessary material and cage etc including providing CC 1:3:6 foundation bed etc.. Complete for basement						
	Rate. 1175:10					4 Nos	1200:00
(16)	Supplying and fixing of Porcelain fuse carrier with fuse wire on existing wooden / Panel using necessary						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 353436

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with bolts and washers etc complete.						
						12 Nos	1800 : 40
	Page. 150 : 00						
(17)	Supplying and laying 3.5 Core having aluminium conductor pre insulated stranded galvanized steel wire steel tape armoured cable with pre outer sheeting 1.1 kV grade in core 16 sqmm Cable						
						120 Mtr	
							20394 : 00
	Page. 169 : 95						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(18)	Digging & trenches & 0.6 mm x 0.50 mm wide passing the trench to the required ground level and consolidation etc. complete finishing Road Surface.						
	Rate · 56 : 65					120.00 Mtr	
							6798 : 00
(19)	Supplying and fixing class A GI Pipe on Pole/Wall drain Crossing with necessary clamping arrangement for net cable & 1.1 kV class 40 mm						
	Rate · 294 : 58					12.00 Mtr	
							3534 : 96

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353437

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(20) Supplying and fixing wiring earth electrode for grounding conduits, CC enclosures and other equipments on the main board using 40 mm dia 2.90 mm thick GI Pipe 2.50 mtr long buried in a pit / the pit should be filled with equal proportion of salt and charcoal 100 mm all around the pipe to compress deposition connections from the pipe to the conduits etc. is to be established through GI wire of size as per IS specification 7.3.3 using 12 mm dia bolts nuts washers and cleaners etc. complete. Rate: 1699:00					4 Nos. 6798:00	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(21)	Supply and fixing LT Cast iron pot heads Suitable for 1.1 kV class 16 sqmm XLPE insulated Copper conductor cables bolts nuts and washers etc.. Ref. 27:92					4 nos	Cost 7:68
(22)	Supplying and fixing of Polished wood beams made of teak wood free from knots, cracks, flaws or any other defects with the same to wall using tapered ends and fixing with wooden plugs etc complete as per specifications..						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 353438

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8	
	Page. 311:88					4 Nos	1246:32
(23)	Conveyance and Erection &c.					4 Nos	7200:00
	Page. 1800:00						
(24)	Supplying and delivering as per brand new Texmo/ Kirloskar/ Lubi/ Saber/ Ashoka/ Calomax/ Waterman/ Radha make Submersible HP deep well Submersible Pumps						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Suitable for vertical installation in Radial Borewell consisting of single phase or three phase CI pump wet coupled by means of Stainless steel coupling suitable HP suitable speed 2 pole motor enclosed and fixed with pre drilling laser serial Cable Sub mersible induction motor suitable for operation with existing Electrical Service Cable suction and delivery pipe complete with all the accessories with 17.5 HP 3 Stage						
	Rate · 72126·00					4 Nos	288504·00

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Measurement Book

No. B

353439

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
25	Providing laying and jointing CI DI Pipes Conforming to specification & approved make with jointing materials elsewhere specified complete with cast iron sluice valve and fittings jointing however necessary as directed including all lead and oil etc. complete & Hydraulic testing (excluding cost of pipes) 80 mm dia CI DI Pipes.					1338.00 Mtr	
	Rate. 415:00						555270:00
26	Supplying and fixing cocoon for CI Pipes 80 mm.					224 Nos	40320:00
	Rate. 180:00						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(27)	Supplying & Submersible Pump Case 1 x 3 x 6.0 Sum						
	Rate · 1444.00					2916.00 Nos	
						2759.04.00	
(28)	Supplying and delivery of 3HP brand New/Essen/ Cosco Submersible/Adarsh or Equivalent water cooling energy efficient open well submersible pump set 1200 x 600 x 300 mm minimum including starting and protection and waterproof switch gear with cable 50 m/2.380/minutes AC supplying with stand cooled fan locking with any suitable provided with rack door earthing arrow and covering Maintenance sheet						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353440

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Provided inside wooden doors Canopy apron and Covering with Grease provided the Consumer energy meter Complete Panel board with wires for operation on 3ph 500V 250/1000 volts for supply Grease complete etc. Complete Panel board as per specification Rupees Two only.						
	Rate: 21000:00					4 Nos	84000:00
(29)	Supplying and delivery of brand new mcb Rate value						
	Rate: 1800:00					4 Nos	7200:00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(30)	Supplying and delivery & brand 90 mm PVC Soil waste. Rate. 1800 : 00					4 NOS	7200 : 00
(31)	Supplying and fixing WCB. Rate. 900 : 00					4 NOS	3600 : 00
(32)	GI PIPE 40mm A class for electrical pole. Rate. 400 : 00					8.00 MTR	3200 : 00
(33)	Pot head. Rate. 360 : 00					4 NOS	1440 : 00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353441

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
31	Earthwork excavation for foundation of buildings water supply sanitary lines and electrical conduits either in pits or in trenches 1.00 MSR and above in width in ordinary soil not exceeding 1.50 MSR deep including dressing the sides and ends of pits and trenches placing the excavated soil clear from edges of excavation complete as per specification MSR after bending of clods complete as per specification						
	Rate. 300 + D.					72.00 m^3	21600 + D

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(35)	providing and installing GI class B 63mm (0.6") pre pipes 6 kg/cm including cost of pipes and socket and cap including lowering into trenches laying true to line level and perfect fixing as per site including jointing, all round the whole cap and the chamber including making chamber the pipe around to a depth not less than 1 m including excavation, trench and refilled compaction trench making good						
	Rate: 360 = 00					160.00 Rft	
(36)	Providing excavation earth around pipe line including in trenches not exceeding 2 mtrs in depth including					57600 = 00	

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M. A. R. 57 (Rule 116)

Measurement Book

No. B

353442

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	each deposited layer by ramming after watering with lead upto 50 M and with upto 1.00 M including cost & all lasor coolies as per specification.					72.00 M^3	7200:00
	Rate. 100:00						
	BESCOM Deposit charges.						
	① Application charges.			3 x	100:00		300:00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	② BESCOM Deposit Charges			3 x	13710:00		41130:00
	③ Meter Charges			3 x	2211:00		6633:00
					Total Amount Rs.		2748099:
	① Certified that the work done is as per the						
	② This bill Amount has not been claimed in any of previous bill.						

14/11/20 ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

14/11/20 ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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